

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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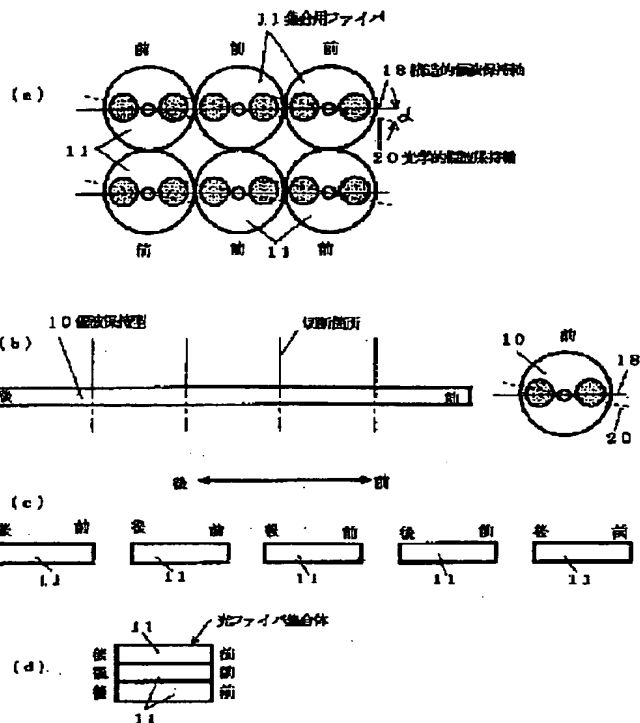
APPLICATION DATE : 19-08-98  
APPLICATION NUMBER : 10249114

APPLICANT : FUJIKURA LTD;

INVENTOR : HOSOYA HIDEYUKI;

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TITLE : POLARIZATION MAINTAINING TYPE OPTICAL FIBER ASSEMBLAGE AND ITS PRODUCTION



ABSTRACT : PROBLEM TO BE SOLVED: To achieve the alignment of optical polarization maintaining axes by setting the angle formed by structural polarization maintaining axes and the optical polarization maintaining axes constant or aligning the angle directions to a specified direction.

SOLUTION: The fact that the polarization maintaining fibers 10 manufactured from the same preform are structurally the same within several tens m is utilized. Namely, the plural fibers 11 for assembling are manufactured by parting one piece of the polarization maintaining type optical fiber 10 and these fibers are assembled by aligning the longitudinal directions thereof to the specified direction and are aligned on the bases of the structural polarization maintaining axes 18. The optical polarization maintaining axes 20 are thereby neatly aligned.

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